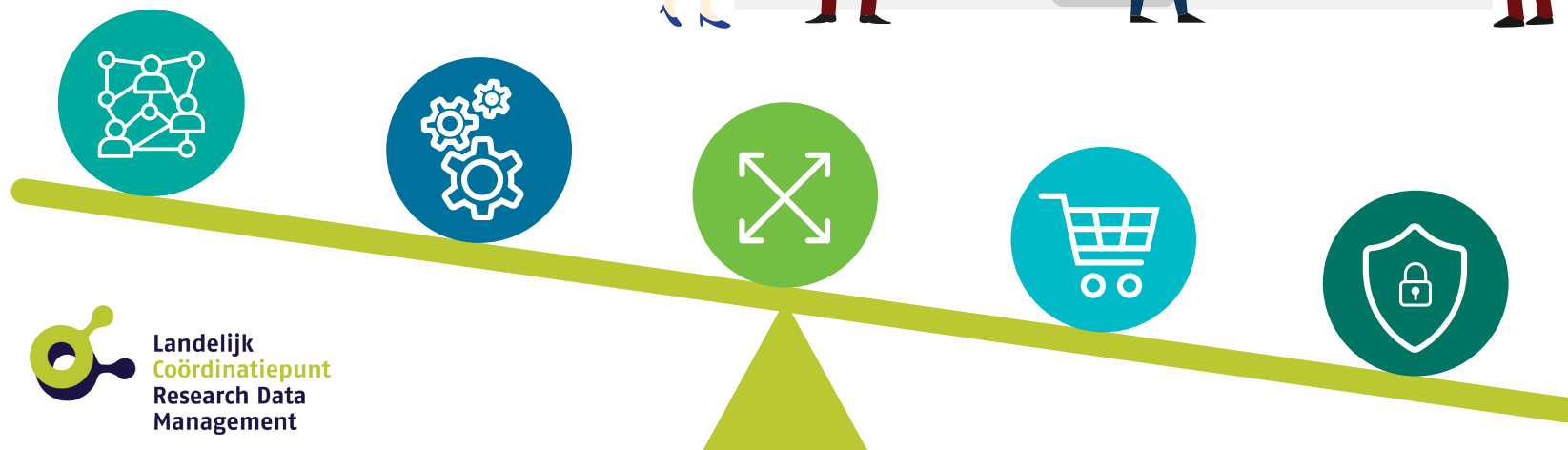# A TAILOR-MADE VRE:
IN CONTROL TOGETHER

A Virtual Research Environment (VRE) is a virtual working environment for researchers.

How **best to organize** such an environment will vary per researcher. In the Netherlands several universities, universities of applied sciences and university medical centres are implementing virtual research environments for researchers. This is driven by a combination of five distinct incentives that determine how these working environments are realized.

Research is moving beyond borders to gain new knowledge. This requires **a balance between freedom and control to enable new and different ways of research.** This process is facilitated by the research institution seeking to unburden the researcher while at the same time safeguarding operational efficiency.

LOOKING FOR THE RIGHT BALANCE BETWEEN

5 INCENTIVES

Landelijk Coördinatiepunt Research Data Management

THE DYNAMICS OF RESEARCH REQUIRE CUSTOMIZATION

COLLABORATION

Enlarge the impact of research through cross institutional collaboration. This necessitates a shared environment to implement common rules and agreements

AUTOMATION

Support the efficiency and integrity of research. It requires a specific environment in which a process can be monitored, recorded and repeated

SCALABILITY

Increase the impact of data intensive research. It requires an environment that provides large-scale compute and processing power on demand

ACCESSIBILITY

Unburden researchers with the realisation of an optimal research environment. This should be a self-service environment that a researcher easily can set up, use and pay for

SECRURITY

Comply with laws and regulations for research. This requires an environment with specified access control and track and trace of who has had access to which data

A TAILOR-MADE VRE: REALIZATION THROUGH DIALOGUE

Proper weighting all incentives is the first step towards achieving a joint VRE solution. A VRE offers researchers and their institutions the possibility to realizing a correct balance.

The research landscape is diverse and dynamic. It is therefore recommended that **each new research project reconsiders the options for achieving an optimal balance.** In this way a VRE can comply with the wishes of both the researcher ad the research institution.

A well-considered combination of the five incentives listed here should result in the right balance. Current initiatives for realizing a VRE include all these incentives in a variety of combinations

EXECUTIVE
How can research best be performed on the basis of the given vision and the policy?

RESEARCHER
What is the best way to present and deliver research results?

POLICY MAKER
How do we attain the best balance between freedom and control?

DIALOGUE WITH IT/SUPPORT

VRE SOLUTiON

The right framework for research thanks to our VRE environment

A suitable VRE environment for my research

Unburden our researchers with a VRE environment

The five incentives are based on interviews with various researchers and experts working on the realisation of VREs.